BOKUM SUBSTATION REBUILD

CLIENT: Confidential
LOCATION: Old Saybrook, Connecticut
CONTRACT VALUE: Greater than $1M

START DATE: September 2021
COMPLETION DATE: September 2024

PROJECT DETAILS

The design of this project was engineered to address bulk substation transformer overloads and resolve distribution feeder issues by improving system reliability and increasing load-carrying capability.

SCOPE OF SERVICES

- Improved system reliability by installing new primary & secondary line protection on the 1342, 1598, and 1261 transmission lines.
- Increased substation Load Carrying Capability (LCC) by replacing two existing 50 MVA bulk distribution transformers with three new 62.5 MVA transformers
- Added three 115 kV circuit breakers to make a six breaker ring bus.
- Converted the 27.6 kV distribution system to 23 kV
- Increased feeder positions from six to nine by adding a switchgear lineup that will interconnect with the existing open bus.
- Increased feeder limits and flexibility of circuit ties at 23 kV.
- Provided construction support services including RFI's, submittal reviews and on-site visits for installation verifications.